

Receiving Report

Date: 130617

Batch No: 132570

Supplier: KHX

Dart P/O: 28850

Packing Slip: Yes / No
 Invoice: Yes No
 Receipt: Cash Cr /
 New Supplier Yes No /

Release Note Attached: Yes / No N/A
 Waybill Attached: Yes No / N/A
 Shipment Complete: Yes / No N/A
 QC18 Inspection N/A
 Work Order N/A

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

SD

Production/Admin:

Date
 Received/Costing
 Initial

Location



Tel: +1.305.925.2600 • Fax: +1.305.507.7191 • www.KLXAerospace.com
Remit to Address: 88289 Expedite Way, Chicago, IL 60695-0001
Wire Instructions: KLX Inc. • JPMorgan Chase Bank New York
ABA: 021000021 • Account: 304639273 • SWIFT: CHASUS33 • CHIP UID: 0002

INVOICE NUMBER

J074LW

PAGE 1

SOLD TO:

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7



SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

ORDER NO.		DATE	SHIP VIA	TERMS		SHIPPING TERMS	
PO28850		06/17/15	FEDX INTL P1 COLL	NET 45		FOB-MIAMI	
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION	PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
3	11	MS17984C413 TARIFF: 7318.16.0060 Description QUICK RELEASE PIN ECCN : 9A991 MFR: AVIBANK MFG. CTRL#: 2014G05206 LOT#: 1438754 LOT QTY: 8 Country of Origin USA MFR: AVIBANK MFG. CTRL#: 2014F13130 LOT#: 1428845 LOT QTY: 3 Country of Origin USA <i>These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. law is prohibited.</i>	18.000	EA	0	11	198.00
***CONT							
MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY KLX INC.							

***CONT

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172

MATERIAL CERTIFICATION: KLX INC. ("KLX AEROSPACE SOLUTIONS") WARRANTS THAT THE ITEMS SUBJECT OF THIS INVOICE WILL BE FREE FROM DEFECTS OF MATERIAL AND WORKMANSHIP AND, AS SET FORTH ON THE MATERIAL CERTIFICATION FORM ACCOMPANYING THE ITEMS SUBJECT OF THIS INVOICE, ARE IN CONFORMITY WITH ALL CURRENT GOVERNMENTAL REQUIREMENTS AND THE SPECIFICATIONS OF THE RESPECTIVE MANUFACTURERS. KLX AEROSPACE SOLUTIONS DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE. THE LIABILITY OF KLX AEROSPACE SOLUTIONS IS EXPRESSLY LIMITED EXCLUSIVELY TO REPLACEMENT BECAUSE OF A DEFECT IN MATERIAL OR WORKMANSHIP SUCH REPLACEMENT SHALL OF ANY ITEM WHICH IS REJECTED CONSTITUTE SATISFACTION OF ALL LIABILITY KLX AEROSPACE SOLUTIONS MAY HAVE IN CONNECTION WITH SUCH ITEM, WHETHER LIABILITY IS BASED UPON CONTRACT RIGHTS, NEGLIGENCE, OR OTHERWISE, AND IN NO EVENT SHALL KLX AEROSPACE SOLUTIONS BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES. FURTHER, KLX AEROSPACE SOLUTIONS MUST BE NOTIFIED OF A REJECTION OF AN ITEM WITHIN 30 DAYS AFTER RECEIPT BY THE CUSTOMER.



PACKING SLIP

BY RECEIVING DELIVERY OF THE ITEMS COVERED BY THIS PACKING SLIP, BUYER AGREES TO THE TERMS AND CONDITIONS OF SALE AT:
<http://www.KLXAerospace.com/conditions-sale/>



Vice President of Quality



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INVOICE NUMBER

J074LW

PAGE 2

SOLD TO:

002409
DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7



SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

ORDER NO.		DATE	SHIP VIA	TERMS	SHIPPING TERMS			
PO28850		06/17/15	FEDX INTL P1 COLL	NET 45	FOB-MIAMI			
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
		*** SHIPPED 1 CTN *** # 1=CTN 2# 0 OZ. 642617510856 FREIGHT ACCT# 15179324-0						
INVOICE#.....: J074LW								
ORDER#.....: 9R95N8								
CONSOLIDATE#..: 1BJN3S								
							SUBTOTAL :	198.00
							HANDLING :	0.00
							DISC/ALL :	0.00
							INCM FRT :	0.00
							FREIGHT :	0.00
							TOTAL :	198.00USD
							U.S. CURRENCY	
cfi	9R95N8	SHIPPED ON 06/17/15						
MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY KLX INC.								

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Vice President of Quality



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CONSOLIDATION

1BJN3S

PAGE 1



SEND TO ACCOUNTING

SOLD TO:

002409

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

ORDER NO. See Below		DATE 06/17/2015	SHIP VIA FEDX INTL P1 COLL		TERMS NET 45		SHIPPING TERMS FOB-MIAMI		
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION			PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
1 <									

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

PACKING SLIP

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INVOICE NUMBER

J074LW

PAGE 1 OF 2

SOLD TO:

002409
DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

ORDER NO. PO28850		DATE 06/17/15	SHIP VIA FEDX INTL P1 COLL	TERMS NET 45	SHIPPING TERMS FOB-MIAMI			
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
3	11 <i>110618 SP</i>	MS17984C413 QUICK RELEASE PIN ECCN : 9A991 Country Origin: USA TARIFF: 7318.16.0060 MFR: AVIBANK MFG. CTRL# : 2014G05206 LOT# : 1438754 LOT QTY: 8 COUNTRY OF ORIGIN: USA Country of Origin: USA <i>These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. law is prohibited.</i>		18.000	EA	0	11	198.00
CONTINUED								

MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY KLX INC.

MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY KLX INC.

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 10000 NW 15 TERRACE, MIAMI, FL 33172

ORIGINAL INVOICE

BY RECEIVING DELIVERY OF THE ITEMS COVERED BY THIS INVOICE, BUYER AGREES TO THE TERMS AND CONDITIONS OF SALE AT:
<http://www.KLXaerospace.com/conditions-sale/>



J074LW

PAGE 2 OF 2

SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY, ON
CANADA K6A 1K7

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

[illegible]

BY RECEIVING DELIVERY OF THE ITEMS COVERED BY THIS INVOICE, BUYER AGREES TO THE TERMS AND CONDITIONS OF SALE AT:
<http://www.KLXaerospace.com/conditions-sale/>



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXAerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO28850

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
3	11	EA	MS17984C413						
			QTY: 8		1438754	AVIBANK MFG.		84256	
			QTY: 3		1428845	AVIBANK MFG.		84256	


Jason Lewis
Senior Director, Global Quality

06/17/15

Inv # 06/17/15

** DEARS ** ** CERT Q13-P **



AVIBANK
MFG. INC.

AEROSTRUCTURES DIVISION, A PCC COMPANY

11500 SHERMAN WAY • NORTH HOLLYWOOD, CA 91605

PHONE: (818) 392-2100 • FAX: (818) 255-2094

No ozone depleting substances used in processes.

CERTIFICATE OF CONFORMANCE

SHIPPER

DATE SHIPPED

06/27/14

PAGE	OF	DATE ENTERED	SALES ORDER NO.
1	1	02/07/14	690479-0137

B 103866
I B/E AEROSPACE, INC. (MIAMI)
L 10000 N.W. 15TH TERRACE
L

T MIAMI, FL
O USA

33172

S B/E AEROSPACE CONSUMABLE MGMNT
H 9835 NW 14TH ST
I
P

T MIAMI, FL
O USA

33172

CUSTOMER ORDER NO.		CONTRACT NUMBER		RATING		ORDERED BY		REC'D BY		TERRITORY NO.	
OWEH24						ROHAN		GLE		124	
QTY	UNIT	INVT	DD 250 REQ'D	PRICE PKG REQ'D	RECALL OR TAX	VAS	TYPE OF INSPECTION		TERMS		FREIGHT
0	1	1	3	N	N	R			1/2% 10, NET 30		NOHO/COLLECT

SHIPPED VIA

FEDEX GROUND

ITEM NO.	NO. SHIPPED	UNITS	PART NUMBER / DESCRIPTION	NO. BACKORDERED
1	53	E	<p>FEDEX ACCT# 0331-0149-0 QAP 33.0 CLAUSES A,A.1,B,C,E,H,P.U.V APPLY *** 3 LOT MAX *** BLC4BA13S MS17984C413 SHIP#: 1 QTY 53 LOT:1438754 AREA : AISLE : SEC: DUE : SHELF</p> <p>TO OUR VALUED CUSTOMERS A RETURN MATERIAL AUTHORIZATION (RMA) NUMBER IS REQUIRED FOR ALL PRODUCTS RETURNED TO AVIBANK TO REQUEST A RMA NUMBER CONTACT YOUR AVIBANK SALES ASSOCIATE AT 818/392-2100</p> <p>THESE COMMODITIES WERE EXPORTED FROM AVIBANK MFG., INC. IN ACCORDANCE WITH EXPORT ADMINISTRATION REGULATIONS OR INTERNATIONAL TRAFFIC IN ARMS REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. COMPLIANT WITH DFARS 252.225.7014 ALT 1</p>	0

PULLED BY	SHIPPED BY	SHIP VIA	DATE SHIPPED	WAYBILL/OTHER INFO.	NO. OF PKGS	WEIGHT
-----------	------------	----------	--------------	---------------------	-------------	--------

We hereby certify that all materials used in the manufacture of parts covered by this report conform to the material specifications called for by the above purchase order. We further certify that the parts are manufactured in accordance with applicable drawings or specifications current on the date on which the order was placed. Test reports covering materials in these parts, and indicating conformance with applicable specifications, are on file and subject to examination. No ozone depleting substances were used in processes. Parts are mercury free of contamination.

WI-14-AMS-004 REV:NC

AVIBANK MFG., INC.

BY: AUTHORIZED QUALITY CONTROL REPRESENTATIVE

**AV BANK**
MFG.

AEROSTRUCTURES DIVISION, A PCC COMPANY

11500 SHERMAN WAY • NORTH HOLLYWOOD, CA 91605

PHONE: (818) 392-2100 • FAX: (818) 255-2094

CERTIFIED TEST REPORT

1 of 1

CUSTOMER: B/E AEROSPACE, INC. (MIAMI)**SHOP ORDER NO./WORK ORDER NO.:** 1438754**CUSTOMER P/N:** MS17984C413**CUSTOMER P.O.:** 0WEH24**QTY. SHIPPED:** 53**AVIBANK P/N:** BLC4BA13S RV. N**PART NAME:** S/A STANDARD**PROCUREMENT SPEC:** NAS1332**BODY WO.:** 1439079**QTY. MFG'D:** 53

PROCESS	PROCESSOR	TYPE/CLASS	SPECIFICATION
ANODIZE	K & L ANODIZING CORP. BURBANK, CA.	II/2	MIL-A-8625 'F'
HEAT TREAT	AVIBANK MFG., INC., NO. HOLLYWOOD, CA.	CH900	AMS2759 'E'
HEAT TREAT	AVIBANK MFG., INC., NO. HOLLYWOOD, CA.	HRC 40 MIN	AMS2759 'E'
PASSIVATE	AVIBANK MFG., INC., NO. HOLLYWOOD, CA.	2	AMS2700 'E'

NO	* BOLT TENSILE (LBS.)	TORQUE (IN LBS.)	* RETAINING DEVICE TENSILE (LBS.)	* SHEAR (LBS.)
1.	N/A	N/A	274 NF	10,174
2.	N/A	N/A	292 NF	10,113
3.	N/A	N/A	268 NF	10,100
4.				
5.				
REQT.	N/A MIN.	N/A MIN.	230 MIN.	9,200 MIN.

* BF = BALL HOLE FAILED. * TF = THREADS FAILED. * NF = NO FAILURE. ** (S) = SINGLE SHEAR. ** (D) = DOUBLE SHEAR.

OTHERS: THESE PARTS WERE LAB TESTED PER 'NAS' QMTS AND FOUND ACCEPTABLE.
SALES ORDER NO. 690479-0137.

AVIBANK MFG., INC. CERTIFIES THAT THE PARTS LISTED ABOVE WERE MANUFACTURED IN COMPLIANCE WITH YOUR PURCHASE ORDER. ALL TEST AND INSPECTION REPORTS ARE ON FILE AT AVIBANK FOR VERIFICATION.

AUTHORIZED SIGNATURE:
WI-03-CTR-005 rev NC*Norma Castanaza*
NORMA CASTANAZA Q.C. CLERK**DATE:** 06/28/14

Job # 2930



FAST LANE PRECISION

Certificate of Conformance

CERT REVIEW
MAIN LOT # 1438754
COMPONENT LOT # KB 30699
NAME Shoulder Ring

Customer: Avibank MFG

Part Number: 16-4C

Rev: AC

Description: Shoulder Ring

Heat #: H1A1

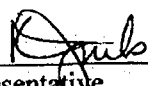
Order Quantity: 20000

Material #: C1769

Customer Purchase Order: 753872

Remarks

Parts were manufactured from documented work instructions, using approved suppliers and processors. All components have been inspected and approved with inspection and certification on file at our facility.


Quality Assurance Representative

1 Apr 14
Date



APR 11 2014



SNA13145 METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

C1769

Certificate: 833261 02 Customer: 0370 002 NAS Order: LP 604 5 Your Order: NA52492	Mail To: SUMMIT STAINLESS STEEL, LLC. 1001 ELIZABETH STREET NORTH BRIDGEMAN, NJ 08902 Item Code:	Ship To: SUMMIT STAINLESS STEEL, LLC. 9848 U.S. 90 A SUGARMAN, TX 77478 Date: 5/06/2013 Page: 1 of 4 Steel: 303 Finish: Cold Draw Dia/Thk: .4063 in Log Length: Length: 144.00 in Corrosion:
--	--	---



PR 11 2014

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
 ASTM A582/13 EN 10204 3.1, ASTM A484/11
 AMS 5640U TYPE 1, QQS-764B CONDITION A
 SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DPAR 252.225-7014A-1 EU DIRECTIVE
 2011/65/EU.ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG
 IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BF39576	2500							

CHEMICAL ANALYSIS

Heat	Supplier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
H1A1		US	.034	.17	17.31	.25	1.80	.26	.043	8.47	.035	.3300
			SI %									
			.51									

MECHANICAL PROPERTIES

1 d	HB	.2YS	UTS	RA	King	
o. i	No.	KSI	KSI	%	% 2"	
BF39576	R L	213.0	81.41	105.43	34.57	32.05

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS

Technical
Dept. Mgr.

ERIC HESS

M.D. 12/26/13



1901 N. Narragansett Ave. • Chicago, Illinois 60639
773/804.0404 • Fax 773/804.0408
www.industeel.com
An ISO 9001 Certified Company

11/05/13

ISW Order/Invoice Number: 171013-00

SOLD TO: A9990
AVIBANK MFG. CO.

SHIP TO: A9991
AVIBANK MFG. CO.
11500 SHERMAN WAY

P.O. BOX 9909
NO HOLLYWOOD CA 91609

NO. HOLLYWOOD, CA 91605

CUSTOMER PO: 751295

085017BT

.0850"17-7 PH STAINLESS COND C CNT CLS

WEIGHT: 500

HEAT NUMBER: E121590

CHEMISTRIES

C	Mn	P	S	Si	Cr	Ni	Al
.082	.880	.029	.001	.269	16.630	7.560	.926
Mo	Cu						
.310	.255						

PHYSICAL PROPERTIES

TENSILE: 253000C 307000CH

TORSIONS: OK

ROCKWELL #1:
ROCKWELL #2:

BENDS: OK
SALT SPRAY HOURS:
COATING WEIGHT:
GRAIN SIZE:

YIELD STRENGTH: 000000C/000000CH
ELONGATION:
REDUCTION OF AREA:

*** SPECIFICATIONS ***
ASTM A313-10
AMS 5678-F

TARIFF: 7223.00
NAFTA: B

MELT: GB UNITED KINGDOM
ORIG: GB UNITED KINGDOM
MILL: INDUSTRIAL ALLOYS
DFAR: Y
ROHS: Y

CERT REVIEW

MAIN LOT # 1438754
COMPONENT LOT # 1403259
NAME Ring

**** MERCURY FREE ****

Rey Domingo, Quality Control Manager



1389733

NOV 8 '13

The values and specifications herein are passed through from the manufacturer directly to the customer.
Please see reverse side or www.industeel.com for all Terms and Conditions of Sale.
Material Properties Sheet 70403-MPS Version 1 Approved by BF 11/20/12

Certified Inspection Report

10/31/13
12:20:21

Alcoa Inc.
Massena Operations
Park Avenue East, Massena, NY 13662



Customer **Bralco Metals** Customer P.O. No. **43-113052** Customer Part No. **MMC-A8845-002** Alcoa Order No. **MMC-A8845-002** Govt. Contract No.

Ship To **Bralco Metals**
15090 Northam St
La Mirada, CA 90638

We hereby certify that the material covered in this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, or as previously agreed to with customer and that samples representative of the material met the composition limits and have the mechanical properties shown on the face of this sheet. Manufactured under an ISO/TS 16949 registered quality management system. Melted and manufactured in the USA. ✓

James E. Samuel II, Quality Assurance Manager

Date Shipped **10/31/13** Weight Shipped **751 lbs** Product **CFRB-SMS-ROD DIA. X 12 FT** BOL **000161531**
Alloy - Temper **2024-T351** Size **0.81250 IN** Shape **DIA** Config **12 FT** QRR

Specifications:

AMS 4120R (Except Marking)
AMS-QQA-225/6A
Material conforms to T4 requirements
QA-225/6E (1)
ASTM B211-12E1

Product produced and marked to the requirements of AMS-QQ-A-225/6 also meets the requirements of QQ-A-225/6.
Product produced and marked to the requirements of QQ-A-225/6 also meets the requirements of AMS-QQ-A-225/6.

TEST REQUIREMENTS		Test	Test	Test	Test	Test	Test	Test	Test	Test
		U.T.S.	T.Y.S.	%Elong						
Max:										
Min:		62.0	45.0	10.0						

Test Results		Test	Test	Test	Test	Test	Test	Test	Test	Test
		U.T.S.	T.Y.S.	%Elong						
Lot / Work Order	No. of Tests									
MA20133395	6	69.4	53.1	22.5						
		68.6	52.4	20.5						

When 2 or more tests per lot are made, the highest and lowest values are reported.
Analysis obtained from one or more samples in this lot.

TEST ABBREVIATIONS

U.T.S. Ultimate Tensile Strength KSI		T.Y.S. Tensile Yield Strength KSI									%Elong Elongation % in 2"			
Aluminum Association Chemical Composition Limits (in Weight %)														
ALLOY		%SI	%FE	%CU	%MN	%MG	%CR	%ZN	%TI	%Others	%Others	%AL		
2024	MAX	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.15	Rem		
	MIN			3.8	0.30	1.2				Each	Total			

Actual Started Chemistry

LOT/WORK ORDER		%SI	%FE	%CU	%MN	%MG	%CR	%ZN	%TI	%OE	%OT	%AL
MA20133395	MAX	0.06 ✓	0.26 ✓	4.7 ✓	0.68 ✓	1.5 ✓	0.02 ✓	0.05 ✓	0.03 ✓	LT 0.05 ✓	LT 0.15 ✓	Rem
	MIN	0.06	0.26	4.6 ✓	0.64 ✓	1.4 ✓	0.01 ✓	0.03 ✓	0.02 ✓			

NOTES:

Mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product.
This alloy meets the requirements of EU 2011/65/EC (RoHS) and EU 2000/53/EC for lead, mercury, cadmium and hexavalent chromium.



1301373
CERT REVIEW

NONMAIN LOT #438754

COMPONENT LOT #
KB 30616

Page 1

NAME
Button Handle

THIS METAL HAS NOT BEEN
EXPOSED TO MERCURY OR MERCURY
CONTAINING COMPOUNDS WHILE IN THE
POSSESSION OF BRALCO METALS

Sold to: AVIBANK MFG PO: 150515 Part: 437192
TR clerk signature: *[Signature]*

K & L Anodizing Corporation
Certification

Order No.: 307138

Date: 01/06/2014

Entry Date: 12/16/2013

Page: 1 of 1

To:

Avibank Mfg. Inc.
11500 Sherman Way
P.O. Box 9909
North Hollywood CA 91609-1909

Purchase Order No.: 753483

Packing List No.:

Material: 2024-T4

299285

We are pleased to provide you with the following Certification. The item(s) described were finished and accepted in accordance with the stated specification
Nadcap Accredited

Quantity	Part Number / Part Name / Part Description	Pounds
4,710	5-4AB Rev. P Button-Handle	

Mil-A-8625 Rev.F Amend. 1 KLC 001 / KLC 0007

Anodize per Mil-A-8625 Rev. F Am. 1 Type II Class 2 Black.

Mercury Contamination Free

Insp. Type	Scale	Minimum	Maximum	Number	Other
Customer Requirements:					
Visual					Sample or 100%

LSS# 200

Notice: All finishing completed by K & L Anodizing will carry a liability not to exceed the amount of the finishing charges for the work done on any material. The only exception shall be by written agreement signed by both parties.

CERT REVIEW

MAIN LOT #

438754

COMPONENT LOT #

K.B 30616

NAME

Button Handle



Q. C. Review

Sig.

Date

[Signature]
1/6/14

Lot# 1405697

Nadcap AS7003 #4908143853 10/31/2015
Nadcap AC7108 #4908153454 10/31/2014

[Signature: Sharyn McGinity]
Sharyn McGinity
K.L Cert Department
K & L Anodizing Corp.



Linear Motion. Optimized.

SHIP TO: AVIBANK MFG INC
11500 SHERMAN WAY
NORTH HOLLYWOOD CA 91605
United States

CERTIFICATE OF CONFORMANCE

DELIVERY NAME:
2937200

DATE PRINTED:
21-FEB-2014

PAGE:
1 of 1

SHIP FROM: ABEK LLC
492 Birch Street
Bristol CT 06010
United States

Tel: (860) 314-3921 **Fax:** (860) 314-3942

BILL TO: AVIBANK MFG INC
11500 SHERMAN WAY
NORTH HOLLYWOOD CA 91605
United States

PICK-UP DATE: 20-FEB-2014		SHIP METHOD: UPS-Truck-Ground		FREIGHT TERMS: COLLECT - FROM ORIGIN		FSCM:		
DELIVERY TERMS EXWORKS FACTORY		TAX NAME: EXEMPT		CUSTOMER TAX NUMBER:		WAYBILL: 120176470369205040		
SHIPPING INSTRUCTIONS: ACCT# 60X10X				TAG NUMBER/REF:		PO REF#:		
ITEM NUMBER	REFERENCE ITEM	ITEM DESCRIPTION	CUSTOMER PO NO.	ORDER NO.	LINE ORDER NUMBER	UOM	QTY ORDERED	QTY SHIPPED
SS0078121CXXXDF	SS0078121CXXXDF	5/64 440C GRADE 100 (DFAR REQUIRED) - SS0078121CXXXDF	754588	1799757	1.1	MPC	100.0	97.8
COUNTRY OF ORIGIN: ****EAR99****		United States						
Lot Number	Quantity	Heat Number		Hardness Test			Hardness	
L0013815	38.8	G13158K02		HRC			60-63	
L0013813	15.0	548226		HRC			60-62	
L0013814	44.0	548226		HRC			60-62	
Material meets DFAR 252.225-7009:7014. ✓ Material certs meet ASTM F-2215. ✓ Material meets AMS QQ S 783 and AMS 5630 ✓ Heat Treat meets AMS 2759/5 ✓ Passivation meets AMS 2700 ✓ Country of Origin (Ball manufactured): USA Country of Melt (Material manufactured): USA These commodities, technology or software, if being exported from the United States must be exported in accordance with the Export Administration Regulations. Diversion contrary to U.S. Law is prohibited.								
CERT REVIEW								
MAIN LOT #		1438754						
COMPONENT LOT #		KB40065						
NAME		Ball						
NUMBER OF PACKAGES 1			GROSS WEIGHT 8.0 LB			VOLUME		

THE UNDERSIGNED, INDIVIDUALLY, AND AS THE AUTHORIZED REPRESENTATIVE OF THOMSON INDUSTRIES INC., WARRANTS AND REPRESENTS THAT; ALL THE INFORMATION SUPPLIED ABOVE IS TRUE AND ACCURATE; THE MATERIAL COVERED BY THIS CERTIFICATION CONFORMS TO ALL CONTRACT REQUIREMENTS (INCLUDING BUT NOT LIMITED TO THE DRAWING AND SPECIFICATIONS); THE INSPECTION AND THE ANALYSIS HEREIN ARE TRUE AND ACCURATE.

QUALITY ASSURANCE MANAGER AUTHORIZED SIGNATURE

CERTIFICATE OF TESTS ABNAHMEPRUEFZEUGNIS CERTIFICAT DE CONTROLE

CERT SERIAL# 000564343


CARPENTER

 Carpenter Technology Corporation
 101 West Bern Street, Reading, Pa. 19601
 Tel: (610) 200-2000 (800) 338-4592

- THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47.
- THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.
- MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM, ALPHA AND GAMMA SOURCE CONTAMINATION.
- THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

SELLER/VERKÄUFER/VENDEUR PAGE 1 OF 2

ALN

CUSTOMER ORDER NO./BESTELL-NR./N° DE COMMANDE	CARPENTER ORDER/WORKS-NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
213280	W49841	09/11/06	659

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE 548226

PRODUCT DESCRIPTION: CONSUMET TYPE 440C BEARING QUAL HOT DRAWN SPHERODIZED PRECOAT

 SPECIFICATION: AMS 5618 REV G (05/06)
 XAMS-00-S-763B (08/06)
 XAMS 5680 REV C (05/06)
 XAMS 5630 REV J (10/07)

SIZE 0.075000 IN. (1.90 MM) RD WIRE INGOT 3

PRIMARY HEAT CHEMISTRY(WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

C (COM)	MN (XRF)	SI (XRF)	P (XRF)	S (COM)	CR (XRF)
1.03	0.40	0.70	0.017	LT .001	16.97
NI (XRF)	MO (XRF)	CU (XRF)			
0.15	0.44	0.04			

MACROETCH: TESTED TO ASTM-A-684: MAXIMUM VALUES ARE 1A, 2A, 3A, 4A

TENSILE AS SHIPPED. KSI(MPA) 110.0(758)

MAX QUENCH HARDNESS. HRC - 61 - 1925 F(1052 C) 30 MN OIL TREAT

INCLUSION RATING - ASTM E45 METHOD D

ID	THIN	HEAVY	THIN	HEAVY	THIN	HEAVY	THIN	HEAVY
3X	1.0	00	00	00	00	00	00	00
	2.0	00	00	00	00	00	00	00
3A	2.0	00	00	00	00	00	00	00
	1.0	00	00	00	00	00	00	00
	2.0	00	00	00	00	00	00	00
	2.5	00	00	00	00	00	00	00

FRACTURE GRAIN SIZE: 8

CARBIDE SEGREGATION - FREE FROM EXCESSIVE SEG (VILELLAS)

DECARB - NONE (VILELLAS)

MAX QUENCH HARDNESS. HRC - 61 - 1875 F(1024 C) 30 MN AIR COOL

CONTINUED ON NEXT PAGE

Diana M. Kissling

This certification is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties.
 Die vorliegende Zertifizierung ist nur für den in diesem Formular genannten Kunden gültig. Carpenter übernimmt gegenüber Dritten keine Haftung für die ausgewiesenen Daten oder Zertifizierungen.
 Ce certificat est uniquement valable pour le client dont le nom est imprimé sur ce formulaire. Carpenter n'assume pas de responsabilité pour une certification vis-à-vis d'une tierce personne.

CERTIFICATE OF TESTS ABNAHMEPRUEFZEUGNIS CERTIFICAT DE CONTROLE

CERT SERIAL# 000564343


CARPENTER

 Carpenter Technology Corporation
 101 West Bern Street, Reading, Pa. 19601
 Tel: (610) 208-2800 (800) 338-4592

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- MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM, ALPHA AND BETA SOURCE CONTAMINATION.
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SELLER/VERKÄUFER/VENDEUR PAGE 2 OF 2

ALN

CUSTOMER ORDER NO./BESTELL-NR./N° DE COMMANDE	CARPENTER NUMBER/NUMÉRO DE RÉFÉRENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/Poids
213280	W49841	09/11/06	659

 HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE 548226
 BILLET CHECK CHEMISTRY (WT%):

3A (TOP)	C
3X (BOTTOM)	1.06

MATERIAL PRODUCED ON THIS ORDER WAS MELTED AND MANUFACTURED IN THE U.S.A. MATERIAL HAS BEEN MELTED IN USA OR QUALIFYING COUNTRY TO DFARS REQUIREMENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872-1. CARPENTER'S QUALITY MANAGEMENT SYSTEM WAS REGISTERED AS OF NOVEMBER 24, 2007 TO THE REQUIREMENTS OF ISO 9001:2000 APPROVAL CERTIFICATE 07-0869 BY PERFORMANCE REVIEW INSTITUTE. CERTIFICATE OF TEST IS PREPARED IN ACCORDANCE WITH PARAGRAPH 3.1 OF EN 10204 (DIN 50049). WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE IN ACCORDANCE WITH THE PURCHASE ORDER AND SPECIFICATION REQUIREMENTS.

DATE REVISED: 01/19/10

 DEANA KISSLING
 MET RELEASE/REQUIREMENTS ANALYST
 CARPENTER TECHNOLOGY CORPORATION

 1-9-11
 DFARS
 OK

ThyssenKrupp Materials NA
Copper and Brass Sales Division



6

ThyssenKrupp Materials NA 1333A Orden Drive Santa Fe Springs, CA 90670

DELIVERY NOTE

AVIBANK MFG INC
11500 SHERMAN WAY
NORTH HOLLYWOOD CA 91605-5827



DATE:	05/21/2014
DOC. NO:	2403165594*
BOL. NO:	2403165594
ORDER NO:	1401962024
YOUR P/O:	757697
CUSTOMER NO:	10009895
Route:	C2AC2
CONTACT:	Ginger M Sanchez
TEL:	562-215-4398 ext 54398
FAX:	800-926-8310 ext 8310
EMAIL:	Ginger.sanchez@thyssenkrupp.com

ALL S/S BAR MUST BE DFARS COMPLIANT
UNLD BY FORK: Y
RCVG HOURS: 6-4PM MON-FRI LNCH 12-12:30PM
6-4PM MON-FRI LNCH 12-12:30PM MAX SKID WT: 2000 MAX BUNDLE
WT: 2000

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.
ITEM DESCRIPTION NET QTY1 / QTY2 PACKAGE NO.

0010	XSSRD05811	6,177.375 Feet	1004306915
	T-17-4 Stainless Steel Cold Finish Cond A Round	1,055 lb	
	0.2550 " (+ -.001) X 144.5000 Mill Length		
	Actual Chemistry/Act. Physical		
	Standard Packaging		
TAGNUMBER	QUANTITY	UOM	VENDOR
1004206124	6177	FT	TRI STAR
SAE AMS 5643 R			
	VENDORPO	HEAT/LOT	PCS
	5400218116	E131836	

Total Gross Weight 1130.000 lb

All items, not declared as partial delivery, are final quantities.
Delivery Terms: PPD gem. Incoterms 2000 Prepaid

CERTIFICATION OF COMPLIANCE

We hereby certify that mercury or any of its compounds are not used in the processing and distribution of our products. The products we distribute are not hazardous in their received state.
For MSDS sheets go to www.copperandbrass.com. We hereby certify that the material above complies with the above specifications

John R Zambetti - Director of Quality Assurance

John R Zambetti

CERT REVIEW

MAIN LOT #	<u>1438754</u>
COMPONENT LOT #	<u>1439079</u>
NAME	<u>Body</u>

TRI STAR METALS, LLC
611 WEST LAMM ROAD
FREEPORT, IL 61032
An ISO 9001:2008 Registered Company

CERTIFICATE DATE:	4/25/14	CUSTOMER:	COPPER & BRASS
ORDER#:	209876	CUSTOMER PO#:	5400218116-R05 LINE 2
MATERIAL:	17-4PH ✓	DESCRIPTION:	265" X 12" ✓
HEAT NUMBER:	E131836	QTY. SHIPPED:	3,164 LBS
CONDITION:	A	PART #:	X9SRD05811

CHEMICAL COMPOSITION

C ✓	Mn ✓	Si ✓	S ✓	P ✓	Ni ✓	Cr ✓	Mo ✓	Other Elements
.0120	.7300	.3290	.0270	.0280	4.6800	15.3400	.2000	Ti=.0010 Nb=.2500 ✓ Al=.0100 B=.0016 ✓ Co=.0890 Cu=3.3140 ✓ Sn=.0120 N=.0340 ✓ V=.0600 W=.0200 ✓ As=.0070 Ca=.0015 ✓ Ta=.0020 Pb=.0002 ✓

MECHANICAL VALUES

TENSILE (KSI)	YIELD (KSI)	ELONGATION (%)	REDUCTION OF AREA (%)	HARDNESS
132	120	14	49	264 HB

✓ **AFTER HT CAPABILITIES 900F 1 HOUR AIR COOL**

TENSILE (KSI)	YIELD (KSI)	ELONGATION (%)	REDUCTION OF AREA (%)	HARDNESS
204	201	11	54	410 HB

ADDITIONAL REMARKS:

This material meets the chemistry specifications for AMS 5643R, ASTM A564-04, ASTM A484-10, ASME-SA-564 CHEM & MECH. Macro & Micro Structures OK per AMS 5643.
Delta Ferrite=.43% DFARS COMPLIANT.

MATERIAL IS FREE FROM MERCURY CONTAMINATION. EN10204 3.1.B
COUNTRY OF MELT: ENGLAND

MATERIAL IS MANUFACTURED IN THE UNITED STATES OF AMERICA

I hereby certify that this data is correct as contained in the records of this company.

QUALITY CONTROL REPRESENTATIVE:

QSD-007 REV. ORG. 4/17/2013

Robert Pierson
Robert Pierson - Quality Engineer



Q. C. Review

Sig. *[Signature]*

Date 5/23/14

Lot# 1443233

From: ThyssenKrupp Materials NA

Cust. AVIBANK MFG INC

CstAr

Wgt.: 1,055 LB

Del.: 2403165594

CstOr 757697

Date 05/20/2014

John J. Zambetti

Outokumpu Stainless Ltd.
ASR Rod Mill
Barnston Road
Sheffield, S23 3XQ
Telephone: +44 (0) 114 242 1124
Fax: +44 (0) 114 242 3182



Prod-Nr
Test certificate No **79886**
No du certificat
In Accordance With EN 10204, 3.1

Rechnungs-Nr Invoice/Order No 71274 No de facture	Bestell-Nr Customer Order No 249212 No de commande client	NORM 17/4PH(630) Rev 09-13-11 (UNS S17400) COND. A	SPECIFICATION NORME
--	--	--	------------------------

ADDRESS Tri Star Metals LLC 611 W. Linn Rd Freeport Illinois 61032 USA 61032	Werk-Nr Material No AV202578/01 Fertigungs-Nr Production No SORTED AND DESCALED Endmaß Finish 7.00 mm Round Gewicht Weight 21 rod coils for 15.0121 Analyse-Nr Analysis No E134830 ✓
--	--

Schmelzanalyse					Cast Analysis					Analyse de Coût				
Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si
0.0120	0.3290	0.7300	0.0280	0.0270	16.3400	0.2090	4.8800	0.0010	0.2400	0.0100	0.0010	0.0010	0.0010	0.0010
Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si	Si
0.0090	3.2140	0.0120	0.0340	0.0600	0.0200	0.0070	0.0015	0.0020	0.0005					

Mech und phys Eigenschaften				Mechanical and Physical Properties					Caractéristiques mécaniques		
0.2%PS kPSi	1.0%PS kPSi	UTS kPSi	Brinell H Elongation %	RA%	Nonferrous Grain Size Table de grain	Hardness Durée	Hb	Charpy (J)	Pendula Constant %	Schaeffer Fertile %	
90.788	132.130	136.625	2.7	80.9	7.0 7.0		302.00				
De Long Fertile %	WRC 1992 Fertile %	H900 0.2%PS	H900 UTS	H900 A4D	H900 RA	H900 Hardness	Grain Size				
							Intermetallic Deformation Test				
Bend	Quality	Microstructure	Macrostructure								

Additional Information Delta Ferrite -0.43% Rp0.2- 201ksi UTS 204ksi EI 11.1% RA 54% Hb 410 Free from known Mercury or Radium Contamination Conforms with ASME/ASTM A484 & S64, AMS 8522 & S643 Supplied as Condition A Melting Practice: EAF and AOD Solution annealed at 1900F +/- 25 for 1.5hrs Material free from welds Tested in accordance with AMS2630 & 2303, ASTM E407	ENISO Manager Rob Chatterworth Date: 04/02/2014 This information was generated according to a Quality System registered to ISO 9001:2008 and approved by TÜV Nord. Certificate Registration No: 44 160 12345
Material melted and rolled in Sheffield, England by Outokumpu Stainless Ltd. Melting Practice: EAF & AOD Ultrasonic & Magnetic Particle to	

Small text block containing technical specifications and contact information.

Small text block containing technical specifications and contact information.

Small text block containing technical specifications and contact information.

Small text block containing technical specifications and contact information.

From: ThyssenKrupp Materials NA

Cust. AVIBANK MFG INC

Del.: 2403165594

CstAr

CstOr 757697

Wgt.: 1,055 LB

Date 05/20/2014

John L. Zambetti

Order No: 3748031
Time 07:06:05



FRY STEEL COMPANY
Registered ISO 9001
13325 MOLETTE ST.
SANTA FE SPRINGS, CA 90670
(562) 802-2721

A08040
Cust. NO.: 760385
P.O. NO.:

CERTIFICATE OF COMPLIANCE

AVIBANK MFG INC
ATTN: ACCTS PAYABLE
P O BOX 9909
NORTH HOLLYWOOD CA 91609-1909

AVIBANK MFG
11500 SHERMAN WAY
***RECEIVING CLOSED 11:30-12**
NORTH HOLLYWOOD CA 91605-5827

04/23/14

QTY	DESCRIPTION	ITEM CODE	HEAT NUMBER
	✓ CG 17CR 4NI PPT HT SOL TR PH AMS 5643 SILVER/RED		
250	✓ BARS .130"RD 12'RL	9070	E131099 ✓
440	BARS .1925"RD 12'RL	9120	E130790
75	BARS .505"RD 12'RL	9380	G20854
75	BARS .630"RD 12'RL	9450	571176
25	BARS .755"RD 12'RL	9510	571616

CERT REVIEW

MAIN LOT # 1438754
COMPONENT LOT # 1435371
NAME Spindle

NOTICE

A COPY OF THE ORIGINAL MILL CERTIFICATION IS ATTACHED*

CHEMICALS & PHYSICALS ARE REPORTED THAT WILL MEET THE SPECIFICATIONS SHOWN ON THE CERTIFICATE.
EXCEPTIONS TO SPECIFICATIONS SHOULD BE SHOWN ON THE CERTIFICATION.

AUTOMATIC EXCEPTIONS TO THE SPECS LISTED ARE: LINE MARKING AND INSPECTION(I.E. MAG., SONIC,ETC.)

WE SUGGEST CONSULTING AN EXPERT ABOUT RELATED INSPECTION, PRIOR TO ALTERING THE MATERIAL FROM THE AS SHIPPED/RECEIVED
CONDITION. "DEFECT FREE" MATERIAL CAN NOT BE GUARANTEED WITHOUT PRIOR INSPECTION APPROPRIATE TO APPLICATION.

**NO WELD REPAIR HAS BEEN PERFORMED AND THIS MATERIAL IS FREE FROM MERCURY AND RADIUM
CONTAMINATION AT TIME OF SHIPMENT**

The willful recording of false, fictitious or fraudulent statements on this document may result as a felony under federal statutes.
*WHEN APPLICABLE

- TO THE BEST OF OUR KNOWLEDGE MATERIAL IS CONFLICT MINERAL FREE -



Q. C. Review

Sig. [Signature]

Date 4/30/14

Lot # 1436397

[Signature]
CHIP SANDOVAL - Q.C. MANAGER

FRY STEEL CO. CERTIFIES THAT THIS IS
A TRUE COPY OF THE ORIGINAL MILL TEST
REPORT NOW ON FILE
RECEIVED AND INSPECTED

TRI STAR METALS, LLC
375 VILLAGE DR.
CAROL STREAM, IL 60188
An ISO 9001:2008 Registered Company

FEB 10 2014

Chip Sandoval
CHIP SANDOVAL - Q.C. MANAGER

CERTIFICATE DATE: 02/07/14 CUSTOMER: FRY STEEL COMPANY
ORDER#: 205488 CUSTOMER PO#: 47795-1
MATERIAL: 17-4PH ✓ DESCRIPTION: .130" RD SS X 12' ✓
HEAT NUMBER: E131099 QTY. SHIPPED: 2,003 LBS
CONDITION: A - Solution Annealed, A.Q., Centerless Ground PART #: 9070

CHEMICAL COMPOSITION

C ✓	Mn ✓	Si ✓	S ✓	P ✓	Ni ✓	Cr ✓	Mo ✓	Other Elements
.015	.730	.408	.0280	.023	4.68	15.38	.170	✓ Cu=3.349 Co=.089 N=.0310 Ti=.002 ✓ Nb=.2510 Al=.002 B=.0016 Sn=.008 V=.050 W=.020 As=.006 Ca=.001 Ta=.002 Pb=.0002

MECHANICAL VALUES

TENSILE (KSI)	YIELD (KSI)	ELONGATION (%)	REDUCTION OF AREA (%)	HARDNESS
146	✓ 136	9	47	301 HB

✓ AFTER HT CAPABILITIES 900F 1 HOUR AIR COOL

TENSILE (KSI)	YIELD (KSI)	ELONGATION (%)	REDUCTION OF AREA (%)	HARDNESS
201	199	12	54	410 HB

✓ ADDITIONAL REMARKS:

This material meets the specifications for: STRAND ANNEALED AT 1900F FOR 4 TO 8 MIN;
AMS 5643R, AMS 2303E; ASTM A484-10; Capable of ASTM A564-04 TYPE 630, ASME A564-04
TYPE 630, & MBO-180-003 EXC HARDNESS & ULTRASONIC; DFARS 252.225.7014 & 225.7002-
3(b) (1) COMPLIANT; Delta Ferrite=.38%; Micro & Macro Structures OK per AMS 5643

MATERIAL IS FREE FROM MERCURY CONTAMINATION. EN10204 3.1.B
MELT ORIGIN: ENGLAND

MATERIAL IS MANUFACTURED IN THE UNITED STATES OF AMERICA

I hereby certify that this data is correct as contained in the records of this company.

QUALITY CONTROL REPRESENTATIVE:
QSD-007 REV. ORG. 4/17/2013

James P. Elliott
James P. Elliott - Quality Process Manager



Q. C. Review

Sig. *[Signature]*

Date 2/5/14

LOT# 1436397

E131099

.130 RD

Order No: 3702738
Time 16:17:08



FRY STEEL COMPANY
Registered ISO 9001
13325 MOLETTE ST.
SANTA FE SPRINGS, CA 90670
(562) 802-2721

A08040
Cust. NO.: 755061
P.O. NO.:

CERTIFICATE OF COMPLIANCE

AVIBANK MFG INC
ATTN: ACCTS PAYABLE
P O BOX 9909
NORTH HOLLYWOOD CA 91609-1909

AVIBANK MFG
11500 SHERMAN WAY
***RECEIVING CLOSED 11:30-12**
NORTH HOLLYWOOD CA 91605-5827

01/17/14

QTY	-DESCRIPTION-	-ITEM CODE-	-HEAT NUMBER-
	✓ CF 2024 AL T4 QQA 225/6 RED		
342	✓ BARS 5/16"RD 12'RL	84030	13M215 ✓
1	BAR 7/16"RD 12'RL	84040	13M215
1	PC 3/8 X 1-1/4"FL CUT 84"LG CUT	86570	10112303-5
	CF 2024 AL T351 QQA 225/6 RED		
1	PC 1-1/8"RD CUT 60"LG CUT	84090	152938
5	BARS 1-3/16"RD 12'RL	84095	13M215
	EXT 2024 AL T3511 QQA 200/3 RED/WHITE STRIPE		
3	BARS 5/8"RD 12'RL CONTINUED...	85810	ZWB120934

CERT REVIEW

MAIN LOT # 7438754
COMPONENT LOT # KB 30691
NAME Butt

NOTICE

A COPY OF THE ORIGINAL MILL CERTIFICATION IS ATTACHED*

CHEMICALS & PHYSICALS ARE REPORTED THAT WILL MEET THE SPECIFICATIONS SHOWN ON THE CERTIFICATE.
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WE SUGGEST CONSULTING AN EXPERT ABOUT RELATED INSPECTION, PRIOR TO ALTERING THE MATERIAL FROM THE AS SHIPPED/RECEIVED
CONDITION. "DEFECT FREE" MATERIAL CAN NOT BE GUARANTEED WITHOUT PRIOR INSPECTION APPROPRIATE TO APPLICATION.

NO WELD REPAIR HAS BEEN PERFORMED AND THIS MATERIAL IS FREE FROM MERCURY AND RADIUM
CONTAMINATION AT TIME OF SHIPMENT

The willful recording of false, fictitious or fraudulent statements on this document may result as a felony under federal statutes.
*WHEN APPLICABLE

- TO THE BEST OF OUR KNOWLEDGE MATERIAL IS CONFLICT MINERAL FREE -



Q. C. Review
Sig. [Signature]
Date 2/7/14

[Signature]
CHIP SANDOVAL - Q.C. MANAGER

Lot# 1410845

7/16 RD

13M215

Aluminium Mill Certificate



Taishan City Kam Kiu Aluminium Extrusion Co. Ltd
Address: Daijiang County, Taishan, Guang Dong, China
Tel: (86) 7505438596 Fax: (86) 7505438173

Cert. No.: KAP628824
Customer: TUSKER INTERNATIONAL TRADING INC. FRY STEEL
Contract No.: US SM130929
Alloy Temper: 2024-T4
Container No.: CBHU5883403/20

Standards: 2024-T4 ✓ AMS QQA 225/6 REV E; AMS QQA 225/6 REV A; ASTM B 211 2012; AMS 4120 REV R
Shipment Date: Jul 29 2013 PO No: 47540 1K Invoice No: M131492

Product Code	Die No	Specification	2024 Chemical Composition (%)														Tensile Strength		Yield		Elongation	
			Heat No (Batch No.)	Cast No.	Si	Mg	Fe	Cu	Mn	Zn	Cr	Ti	Pb	Bi	Zr	Al	N/mm ²	ksi	N/mm ²	ksi	%	%
84000	JE70361-5	DRAWN ROD	CFR 5/16	✓	0.50 max.	1.2-1.8	0.50 max.	3.8-4.9	0.30-0.9	0.25 max.	0.10 max.	0.15 max.	--	--	--	Rem.	425	62	310	45	10	
84000	JE70361-5	DRAWN ROD	CFR 5/16	✓	0.50 max.	1.2-1.8	0.50 max.	3.8-4.9	0.30-0.9	0.25 max.	0.10 max.	0.15 max.	--	--	--	Rem.	557	81.0	523	76.0	11.8	
84000	JE70361-5	DRAWN ROD	CFR 7/16	✓	0.50 max.	1.2-1.8	0.50 max.	3.8-4.9	0.30-0.9	0.25 max.	0.10 max.	0.15 max.	--	--	--	Rem.	481	70.0	423	61.0	10.8	

Remark:

Kam Kiu Aluminium Group hereby certifies that metal shipped under the above mentioned PO No, Contract No, and Container No has been inspected and tested, and found in conformance with the applicable specifications forming a part of the description set forth in Kam Kiu's Sales Contract. This Mill Test Certificate complies to 3.1 EN 10204.

Made By:

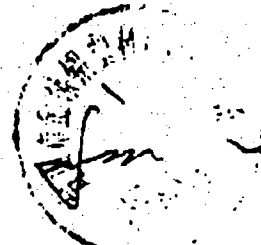
Waley

FRY STEEL CO. CERTIFIES THAT THIS IS
A TRUE COPY OF THE ORIGINAL MILL TEST
REPORT NOW ON FILE
RECEIVED AND INSPECTED

AUG 23 2013

BY Chhanchan
SHIP MANAGER - Q.C. MANAGER

Checked By:



Q. C. Review
Sig. Namye
Date 2/7/14
Lot# 1410845

Level 18, The Gardens North Tower, Mid Valley City, Lingkaran Syed Putra, 59200 Kuala Lumpur, Malaysia
E-mail: info@kamkiu.com Web Page: www.kamkiu.com

CFR 5/16

CFR 7/16

K & L Anodizing Corporation
Certification

Order No.: 317168

Date: 04/17/2014

Entry Date: 03/31/2014

Page: 1 of 1

To:

Avibank Mfg. Inc.
11500 Sherman Way
P.o. Box 9909
North Hollywood CA 91609-1909

Purchase Order No.: 759178

Packing List No.:

Material: 2024-T4

309570

We are pleased to provide you with the following Certification. The item(s) described were finished and accepted in accordance with the stated specification
Nadcap Accredited

Quantity	Part Number / Part Name / Part Description	Pounds
5,200	73-4AB Rev. D Button	

Mil-A-8625 Rev.F Amend. 1 KLC 001 / KLC 0007


Anodize per Mil-A-8625 Rev. F Am. 1 Type II Class 2 Blue.
Mercury Contamination Free

Insp. Type	Scale	Minimum	Maximum	Number	Other
Customer Requirements:					
Visual					Sample or 100%

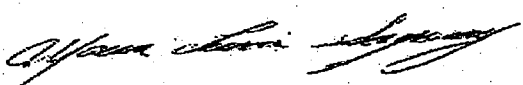
LSS# 200

Notice: All finishing completed by K & L Anodizing will carry a liability not to exceed the amount of the finishing charges for the work done on any material. The only exception shall be by written agreement signed by both parties.

CERT REVIEW	
MAIN LOT #	1438754
COMPONENT LOT #	KB 30691
NAME	Button


Q. C. Review
Sig. *Nancy*
Date 4/21/14
Lot # 1434187

Nadcap AS7003 #4908143853 10/31/2015
Nadcap AC7108 #4908153454 10/31/2014


Luisa Sagory
Cert Control
K & L Anodizing Corp.

Gibbs Certificate of Analysis

Gibbs Wire & Steel Company, Inc. 3751 Olive Road, South Bend, Indiana 46628

AVIBANK MFG INC.
11500 SHERMAN WAY
NO. HOLLYWOOD CA 91605 USA

Date Shipped: 2/26/2014
Cust Order #: 757236
Amount Shipped: 25.00

Description: 0.0180" P/M.0004 ✓
17-7 PH COND. C GIBBSCOTE STAINLESS STEEL ✓

Heat Number: 61138

Mill Coil ID:

Gibbs Coil ID:

Gibbs Number: 27175

To Certify that the material shipped against your above order number is in accordance with

Specification: ASTM A313-10 AMS 5678F ✓ TYPE 631

C:	0.0760 ✓	Mn:	0.7900 ✓	P:	0.0220 ✓	Sul:	0.0010 ✓
Si:	0.2400 ✓	Cr:	16.4000 ✓	Ni:	7.6500 ✓	Mo:	0.1400 ✓
Co:		Cu:	0.1200 ✓	N2:		Fe:	
Ti:		Al:	0.8800 ✓	Be:		W:	
Zn:		Sn:		Pb:		Cb:	
Ta:		V:					

PRE-HEAT

POST-HEAT

	MIN	MAX	MIN	MAX
Tensile Strength:	286,000	289,000	347,000	348,000
Condition CH900:				
Mill Source/Rod Source:	SUMIDEN		SWEDEN	
Reduction of Area:				

MATERIAL FREE FROM MERCURY CONTAMINATION
COILING & WRAP TEST GOOD
DFARS COMPLIANT

Alison Fink

Gibbs Wire & Steel Company, Inc.
Certification Clerk

Allison Fink

Q. C. Review
Sig. *[Signature]*
Date 3/10/14

LOT# 1422664

GWS #: 664286

Tel: (574)234-6071; Fax: (574)237-0712

CERT REVIEW

MAIN LOT # 1438754

COMPONENT LOT # KB 40063

NAME

Spring

DEARS CERT Q13-P



AVIBANK
MFG. INC.

AEROSTRUCTURES DIVISION, A PCC COMPANY

11500 SHERMAN WAY • NORTH HOLLYWOOD, CA 91605

PHONE: (818) 392-2100 • FAX: (818) 255-2094

No ozone depleting substances used in processes.



CERTIFICATE OF CONFORMANCE

SHIPPER

DATE SHIPPED

06/09/14

PAGE	OF	DATE ENTERED	SALES ORDER NO.
1	2	02/07/14	690479-8074

B 103866
I B/E AEROSPACE, INC. (MIAMI)
L 10000 N.W. 15TH TERRACE
L
T MIAMI, FL
O USA 33172

S B/E AEROSPACE CONSUMABLE MGMNT
H 9835 NW 14TH ST
I
P
T MIAMI, FL
O USA 33172

CUSTOMER ORDER NO. OWEH24				CONTRACT NUMBER				RATING		ORDERED BY ROHAN		REC'D BY GLE		TERRITORY NO. 124	
0	1	1	3	N	N	R	TYPE OF INSPECTION			TERMS 1/2% 10, NET 30			FREIGHT NOHO/COLLECT		
SHIPPED VIA FEDEX GROUND															
ITEM NO.	NO. SHIPPED UNITS			PART NUMBER / DESCRIPTION								NO. BACKORDERED			
1	947 E			FEDEX ACCT# 0331-0149-0 QAP 33.0 CLAUSES A,A.1,B,C,E,H,P.U.V APPLY *** 3 LOT MAX *** BLC4BA13S MS17984C413 SHIP#: 1 QTY : 2 LOT:1368427 DUE : AREA : C6 AISLE : 2 SEC:1 SHELF SHIP#: 1 QTY : 731 LOT:1427042 DUE : AREA : NS AISLE : E SEC:19 SHELF SHIP#: 1 QTY : 177 LOT:1428845 DUE : AREA : NS AISLE : E SEC:19 SHELF SHIP#: 1 QTY : 37 LOT:1438753 DUE : AREA : AISLE : SEC: SHELF								53			
1.1	1 L			270-CERT Q13-P CHEM & PHY CERTS 1 SHIP#: 1 QTY : 1 LOT: AREA : AISLE : SEC:								0			
PULLED BY		SHIPPED BY		SHIP VIA		DATE SHIPPED		WAYBILL/OTHER INFO.				NO. OF PKGS.		WEIGHT	

We hereby certify that all materials used in the manufacture of parts covered by this report conform to the material specifications called for by the above purchase order. We further certify that the parts are manufactured in accordance with applicable drawings or specifications current on the date on which the order was placed. Test reports covering materials in these parts, and indicating conformance with applicable specifications, are on file and subject to examination. No ozone depleting substances were used in processes. Parts are mercury free of contamination.

WI-14-AMS-004 REV:NC

AVIBANK MFG., INC.

BY: AUTHORIZED QUALITY CONTROL REPRESENTATIVE

** DEARS ** ** CERT Q13-P **



AVIBANK
MFG. INC.

AEROSTRUCTURES DIVISION, A PCC COMPANY

11500 SHERMAN WAY • NORTH HOLLYWOOD, CA 91605

PHONE: (818) 392-2100 • FAX: (818) 255-2094

No ozone depleting substances used in processes.

CERTIFICATE OF CONFORMANCE

SHIPPER

DATE SHIPPED

06/09/14

PAGE	OF	DATE ENTERED	SALES ORDER NO.
2	2	02/07/14	690479-8074

B 103866
I B/E AEROSPACE, INC. (MIAMI)
L 10000 N.W. 15TH TERRACE
L
T MIAMI, FL
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S B/E AEROSPACE CONSUMABLE MGMNT
H 9835 NW 14TH ST
I
P
T MIAMI, FL
O USA 33172

CUSTOMER ORDER NO. OWEH24				CONTRACT NUMBER				RATING		ORDERED BY ROHAN		REC'D BY GLE		TERRITORY NO. 124	
0	1	1	3	N	N	R		TYPE OF INSPECTION		TERMS 1/2% 10, NET 30		FREIGHT NOHO/COLLECT			
SHIPPED VIA FEDEX GROUND															
ITEM NO.	NO. SHIPPED UNITS			PART NUMBER / DESCRIPTION								NO. BACKORDERED			
<p>TO OUR VALUED CUSTOMERS A RETURN MATERIAL AUTHORIZATION (RMA) NUMBER IS REQUIRED FOR ALL PRODUCTS RETURNED TO AVIBANK. TO REQUEST A RMA NUMBER CONTACT YOUR AVIBANK SALES ASSOCIATE AT 818/392-2100</p> <p>THESE COMMODITIES WERE EXPORTED FROM AVIBANK MFG., INC. IN ACCORDANCE WITH EXPORT ADMINISTRATION REGULATIONS OR INTERNATIONAL TRAFFIC IN ARMS REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. COMPLIANT WITH DFARS 252.225.7014 ALT 1</p>															
PULLED BY		SHIPPED BY		SHIP VIA		DATE SHIPPED		WAYBILL/OTHER INFO				NO. OF PKGS.		WEIGHT	

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WI-14-AMS-004 REV:NC

AVIBANK MFG., INC.

BY: AUTHORIZED QUALITY CONTROL REPRESENTATIVE